

Title (en)
Method for anodizing aluminum material


Title (de)
Verfahren zur Anodisierung eines Aluminiummaterials

Title (fr)
Procédé d'anodisation de matériel en aluminium

Publication
EP 0816536 B1 20000112 (EN)

Application
EP 97110805 A 19970701

Priority
JP 17251396 A 19960702

Abstract (en)
[origin: EP0816536A1] The present invention provides a process for the anodization of an aluminum material which can form an anodized film free from local destruction or spalling even if supplied with electric current through the surface of the anodized film in the double-power supplied electrolytic process and/or multi-stage power supply electrolytic process to secure the desired quality and properties. A novel process for the anodization of an aluminum material can be provided, which comprises anodizing the surface of elongated aluminum or aluminum alloy which advances through a power supply part and an electrolytic part, and then supplying electric current to the surface of said anodized web through another power supply part in such a manner that the following relationships among the current density, the electric supply time and the amount of anodized film thus produced are satisfied: $I \propto t$ wherein the current density, the supply time and the amount of anodized film are represented in A/dm², second and g/m², respectively. 

IPC 1-7
C25D 11/12; **C25D 11/04**

IPC 8 full level
C25D 11/04 (2006.01); **C25D 11/12** (2006.01)

CPC (source: EP US)
C25D 11/04 (2013.01 - EP US); **C25D 11/12** (2013.01 - EP US)

Cited by
CN102080246A

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 0816536 A1 19980107; **EP 0816536 B1 20000112**; AT E188753 T1 20000115; DE 69701110 D1 20000217; DE 69701110 T2 20000615; JP 3705457 B2 20051012; JP H1018084 A 19980120; US 5851373 A 19981222

DOCDB simple family (application)
EP 97110805 A 19970701; AT 97110805 T 19970701; DE 69701110 T 19970701; JP 17251396 A 19960702; US 88653997 A 19970701